

### **Abstract**

A method for preventing adverse effects associated with the use of a medical device in a patient by introducing into the patient a device of which at least a portion includes a prophylactic or therapeutic amount of a nitric oxide adduct. The nitric oxide  
5 adduct can be present in a matrix coating on a surface of the medical device; can be coated per se on a surface of the medical device; can be directly or indirectly bound to reactive sites on a surface of the medical device; or at least a portion of the medical device can be formed of a material, such as a polymer, which includes the nitric oxide adduct. Also disclosed is a method for preventing adverse effects associated with the use  
10 of a medical device in a patient by introducing the device during a medical procedure and before or during said procedure locally administering a nitric oxide adduct to the site of contact of said device with any internal tissue.